

--4--

PAGE 30, LINE 18, TO PAGE 31 LINE 6:

Alternatively, an oligomer may be synthesized prior to attachment to the substrate surface and then "spotted" onto a particular locus on the surface using the methodology of the invention as described in detail above. Again, the oligomer may be an oligonucleotide, an oligopeptide, or any other biomolecular (or nonbiomolecular) oligomer moiety. Preparation of substrate-bound peptidic molecules, e.g., in the formation of peptide arrays and protein arrays, is described in co-pending patent application U.S. Serial No. 09/669,997 ("Focused Acoustic Energy in the Preparation of Peptidic Arrays"), inventors Mutz and Ellson, filed on September 25, 2000 and assigned to Picoliter, Inc. (Sunnyvale, California). Preparation of substrate-bound oligonucleotides, particularly arrays of oligonucleotides wherein at least one of the oligonucleotides contains partially nonhybridizing segments, is described in co-pending patent application U.S. Serial No. 09/669,267 ("Arrays of Oligonucleotides Containing Nonhybridizing Segments"), inventor Ellson, also filed on September 25, 2000 and assigned to Picoliter, Inc. (Sunnyvale, California). In any case, attachment of an oligomer to a surface may involve surface modification in order to promote surface-probe adsorption or another type of attachment as discussed in U.S. Patent Application Serial No. 09/712,818, ("Integrated Device with Surface-Attached Molecular Moieties and Related Machine-Readable Information"), inventors Ellson, Foote and Mutz, filed on November 13, 2000 and assigned to Picoliter, Inc. (Sunnyvale, California).

IN THE CLAIMS:

Please cancel claims ~~7~~ and ~~59-80~~, without prejudice.

Amend claims 1, 3, 50, 54, and 56, as indicated in Appendix B. The amended claims will then read as follows:

1. (Amended) A device comprising a substrate having a plurality of different molecular probes attached to a surface thereof and an integrated indicator that exhibits a response when exposed to a condition to which the substrate may be exposed,

--5--

96 sub B1 wherein each different molecular probe is selected to interact with a corresponding target, and further wherein the indicator response is detectable for at least one minute after removing the indicator from the condition.

97 sub B1 3. (Amended) The device of claim 1, wherein the indicator response to the condition is detectable for at least 1 hour after removing the substrate from the condition.

98 50. (Amended) A device comprising a substrate having a plurality of molecular probes attached to a surface thereof and a plurality of different integrated indicators, each indicator selected to exhibit a response when exposed to one of a plurality of conditions to which the substrate may be exposed, wherein the molecular probes are selected to interact with corresponding targets, and further wherein the response is detectable for at least one minute after removing the indicator from the condition.

99 sub B1 54. (Amended) A device comprising a substrate having a plurality of nucleotidic molecular probes attached to a surface thereof and an integrated indicator that exhibits a response when exposed to a condition to which the substrate may be exposed, wherein the nucleotidic molecular probes are selected to interact with corresponding targets, and further wherein the response is detectable for at least one minute after removing the indicator from the condition.

100 sub B1 56. (Amended) A device comprising a substrate having a surface adapted for attachment to a plurality of molecular moieties and an integrated indicator that exhibits a response when exposed to a condition, wherein the response is detectable for at least one minute after removing the indicator from the condition.

For the Examiner's convenience, the pending claims upon entry of the amendment, claims 1 and 3-58, are reproduced in Appendix C.